

4           a wire; and

5           a detachable elongate tip portion coupled to a distal portion of said wire

6        which is retrievable until detached, said tip portion being adapted to be

7        positioned in said body cavity to form an occlusion in said body cavity using one

8        or more implantations of detachable elongate tip portions from corresponding

9        wires, said wire having a radioopaque marker disposed thereon proximal on said

10      wire from a detachment point of said elongate tip portion from said wire by a

11      predetermined distance, said catheter having two radioopaque markers disposed

12      thereon and spaced apart from each other, wherein one of said two markers on

13      said catheter is provided at a distal end of said catheter and said other marker is

14      positioned proximally thereof,

15           wherein said radioopaque markers are disposed on said wire and said

16      catheter so that when said marker at said distal end of said catheter is disposed

17      adjacent to an opening of said body cavity and when said wire is telescopically

18      disposed in said [micro]catheter to approximately align said wire's radioopaque

19      marker with said more proximal catheter marker, said detachable elongate tip

20      portion then is fully disposed in said body cavity [catheter and does not extend

21      therefrom].

1           31. (twice amended) An apparatus for [use in combination with a

2      catheter to form] forming an occlusion within a body cavity comprising:

3           a catheter;

4           a wire; and

5           a detachable elongate tip portion coupled to a distal portion of said wire  
6 which is retrievable until detached, said detachable elongate tip portion having a  
7 proximal end when detached from said wire, said tip portion being adapted to be  
8 positioned in said body cavity to form an occlusion in said body cavity using one  
9 or more implantations of [said] detachable elongate tip portions from  
10 corresponding wires, said wire having a radioopaque marker disposed [thereon  
11 proximal] on said wire a predetermined distance from a detachment [point]  
12 section of said elongate tip portion from said wire [by a predetermined distance],  
13 said catheter having [two] at least one radioopaque marker[s] disposed thereon  
14 [and spaced apart from each other, wherein one of said two markers is provided  
15 at a distal end of said catheter and said other marker is positioned proximally  
16 thereof],

17           wherein said radioopaque markers are disposed on said wire and said  
18 catheter so that when said [radioopaque marker provided at said] distal end of  
19 said catheter is positioned at an opening of said body cavity to be occluded and  
20 said wire is telescopically disposed in said catheter to approximately align said  
21 [wire's] radioopaque marker on said wire with said radioopaque marker [provided  
22 at said distal end of] on said catheter, [is then fully deployed into said body cavity  
23 and] said proximal end of said detachable elongate tip portion is then disposed  
24 when detached within said body cavity [by approximately said predetermined  
25 distance].

1           33. (twice amended) The combination of claim 31 wherein said  
2 detachable elongate tip portion is a long and substantially pliable segment  
3 adapted to be multiply folded upon itself to substantially pack said body cavity.